



Kentucky Department for Public Health

Weekly Influenza Surveillance Report

Morbidity and Mortality Weekly Report (MMWR) Week 20

May 13, 2018 – May 19, 2018

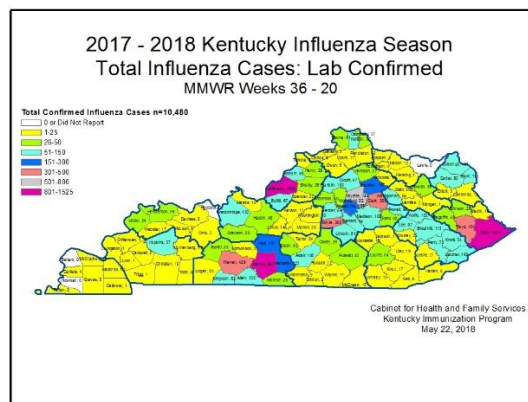
Current Influenza Activity Level: [†]Sporadic

[†]**Sporadic:** Small numbers of laboratory-confirmed influenza cases or a single laboratory-confirmed influenza outbreak has been reported, but there is no increase in cases of ILI.

***Confirmed:** Influenza laboratory Confirmed Cases are defined by positive molecular virus (RT-PCR) or Virus Culture test results. Those positive test results are reportable in Kentucky. (Positive results for Rapid Influenza Diagnostic Tests are not included in this report)

Activity Level Range: Sporadic Local Regional Widespread

Update for week 20:		Update Total for weeks 36-20:	
Lab Confirmed Influenza:	9 Cases	Lab Confirmed Total:	10,489 Cases
Number of Regions with Long Term Care Facility Outbreaks:	0 of 17 Regions	Total Number of Long Term Care Facility Outbreaks:	124 Outbreaks
Number of Regions with Confirmed Flu Cases:	4 of 17 Regions	Total Number of Regions with Confirmed Flu Cases:	17 of 17 Regions
Deaths Reported:	0 (under 18 years) 0 (18 years & older)	Total Deaths Reported:	5 (under 18 years) 320 (18 years & older)
Number of Regions with Increased ILI Activity:	0 of 17 Regions		
Number of Regions with Increased Influenza Activity (see page 3):	0 of 17 Regions		



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Fig 1: Laboratory Confirmed Cases by Age

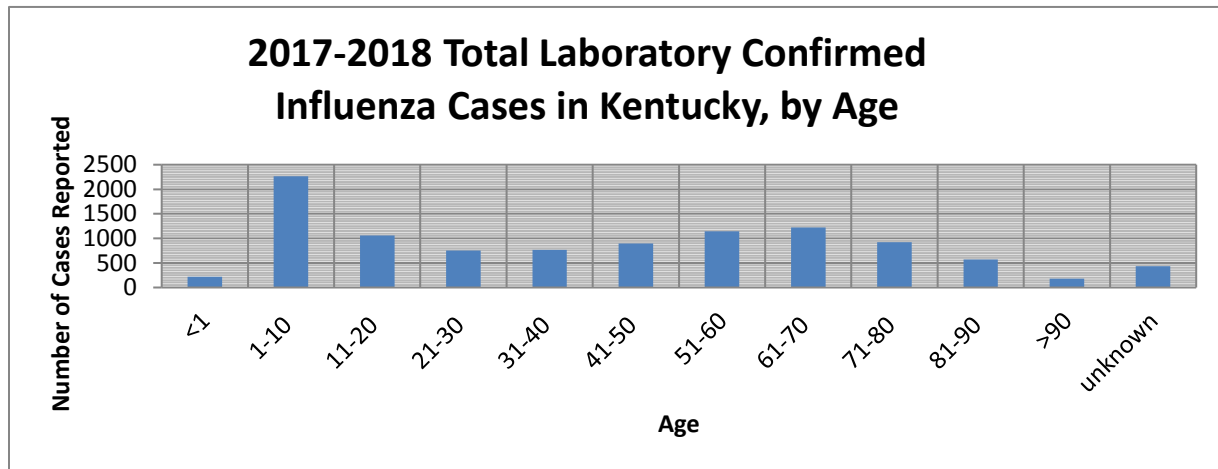


Fig 2: Laboratory Confirmed Cases by Influenza Virus Types

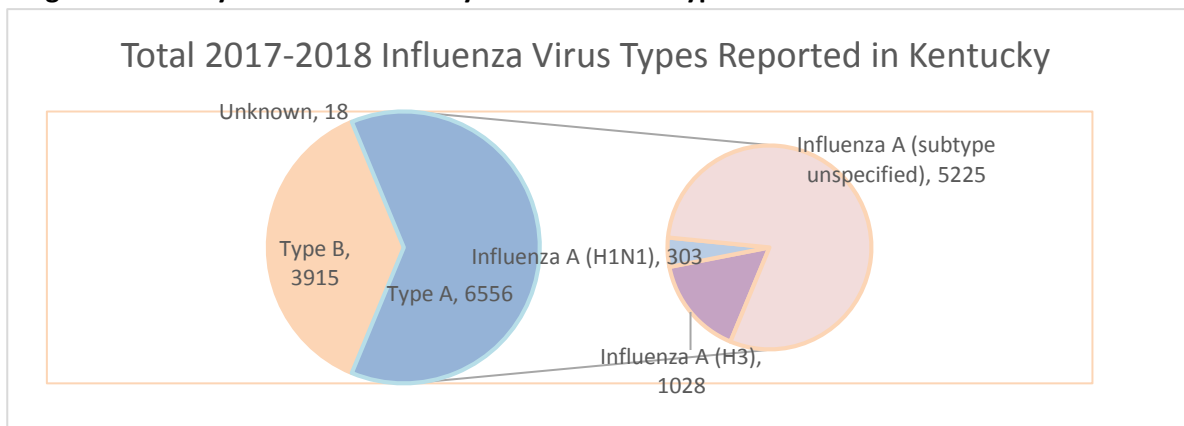
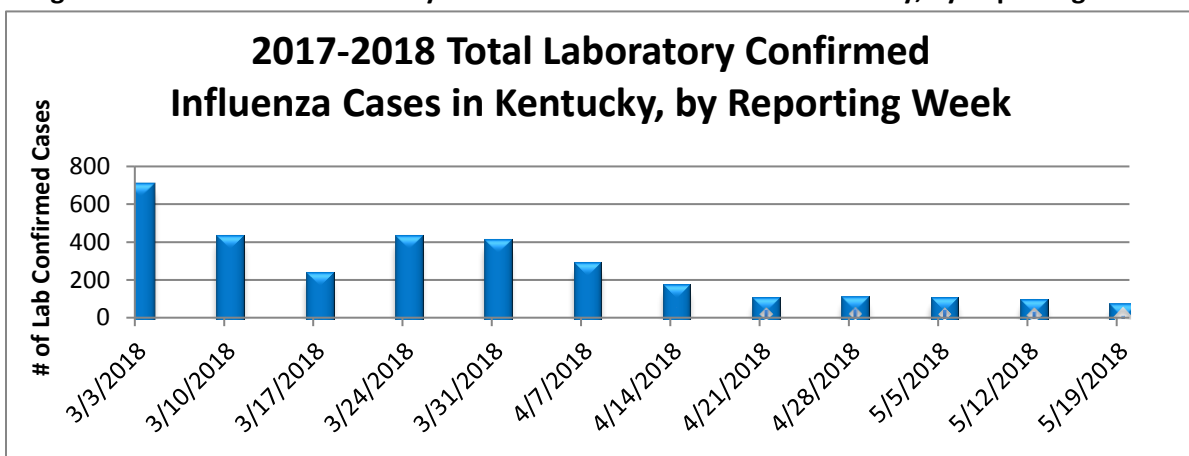


Fig 3: 2017-2018 Total Laboratory Confirmed Influenza Cases in Kentucky, by Reporting Week



*Confirmed: Influenza laboratory Confirmed Cases are defined by positive RT-PCR or Virus Culture test results

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Influenza Activity Determination Table						
			Category 1	Category 2	Category 3	Combined 1 or 2 plus 3
Regions	Number ILI Net Surveillance Sites Reporting / Total Enrolled Sites	Deaths Reported	Influenza Outbreaks Reported	Increased ILI Activity Reported	Laboratory Confirmed Influenza Reported	Include Region in Weekly Report for Increased Influenza Activity
Barren River	1/6					
Big Sandy	0/1					
Bluegrass Region	0/8				4	
Buffalo Trace / Gateway	0/3					
Capital Region	1/13					
Cumberland Valley	0/5				3	
FIVCO	1/3				1	
Green River	0/4					
Kentucky River	0/1					
Lake Cumberland	0/1					
Lexington - Fayette	1/7					
Lincoln Trail	1/6				1	
Louisville-Metro	2/20					
North Central	0/2					
Northern KY	0/11					
Pennyrile	0/2					
Purchase	0/3					
**Total:	7/96 reporting	0/17 regions	0/17 regions	0/17 regions	4/17 regions	0/17 regions

****Total number of regions reporting category of activity not total number of influenza cases**

Data Source: Kentucky National Electronic Disease Surveillance System (NEDSS) and U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) Data. Department for Public Health, Cabinet for Health and Family Services, Frankfort, Kentucky, [May 13, 2018 – May 19, 2018].



National Data
2017-2018 Influenza Season
Week 19 ending May 12, 2018

All data are preliminary and may change as more reports are received.

**Week 20 will be available May 31st.*

Synopsis:

During week 19 (May 6-12, 2018), influenza activity continued to decrease in the United States.

- **Viral Surveillance:** Overall, influenza A(H3) viruses have predominated this season. Since early March, influenza B viruses have been more frequently reported than influenza A viruses. The percentage of respiratory specimens testing positive for influenza in clinical laboratories decreased.
- **Pneumonia and Influenza Mortality:** The proportion of deaths attributed to pneumonia and influenza (P&I) was below the system-specific epidemic threshold in the National Center for Health Statistics (NCHS) Mortality Surveillance System.
- **Influenza-associated Pediatric Deaths:** Three influenza-associated pediatric deaths were reported.
- **Influenza-associated Hospitalizations:** A cumulative rate of 106.6 laboratory-confirmed influenza-associated hospitalizations per 100,000 population was reported.
- **Outpatient Illness Surveillance:** The proportion of outpatient visits for influenza-like illness (ILI) was 1.2%, which is below the national baseline of 2.2%. All 10 regions reported ILI below region-specific baseline levels. New York City, the District of Columbia, Puerto Rico and all 50 states experienced minimal ILI activity.
- **Geographic Spread of Influenza:** The geographic spread of influenza in two states was reported as widespread; Guam, Puerto Rico and three states reported regional activity; nine states reported local activity; the District of Columbia, the U.S. Virgin Islands and 33 states reported sporadic activity; and three states reported no influenza activity.

Weekly U.S. Influenza Surveillance Report. Centers for Disease Control and Prevention.

<https://www.cdc.gov/flu/weekly/index.htm>, Retrieved: 5/24/2018.